

On the Role of Diffusion in the Lattice of
Oxides in Reactions With the Oxidising-
Reducing Mechanism and Oxygen Exchange, by
A. Rosen, S. Karpacheva, 4 pp. UNCLASSIFIED

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Vol LXXXVIII, No 3, 1953, pp 507-510.

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~~XXXXXX~~ Mechanism of Etching of Metals by Ionic Bombardment, by G. V. Spivak, I. N. Prilezhneva, O. I. Savochkina

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No 3, 1953, pp 519-522.

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Structure. The Antihistaminic Activity of
Alloccinane, by B. D. Balakhovskiy et al.

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Assoc Tech Sv RJ-121

Sci - Medicine

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et al.

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SLA Tr R-1286

NLL M.3368 5

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NIL Ref: 3630.48 (IRC-149)

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Sept 69

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NSF Tr 40

Scientific - Mathematics
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*See Index Card
RT-7*

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See 7-11-53 Lib 53/2215

Diffraction of X-Rays in Bent Crystals. Kinematic
Theory for the Case of ~~Refraction~~ Transmission, by
I. B. Borovskiy, P. A. Bezirganyan, 5 pp

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An Optical Method for the Study of the Silicon-Organic
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4 pp.

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NSF Tr 69

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See memo. Lb 55/2478

On the Theory of The Compound Etalon (Multiplex),
by F. A. Korolev, *2 pp.*

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol LXXXVIII
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NSF Tr 49

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In manuscript 53/558?

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Line-Width of Rayleigh Scattering in Gases, by
I. I. Sobel'man, 5 pp

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol
LXXVIII, No 4, 1953, p 653-656

NSF Tr 34

Scientific - Chemistry Jul 53 CTS/DEX

See Science Center RT-43

See Museum Lib 53/2229

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(FDD 25855)

Phase Fluctuations of Ultrasonic Waves During
Their Propagation in Surface Air, by V. A.
Krasil'nikov, 8 pp.

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Vol LXXXVIII, No 4, Moscow, Feb 1953, pp 657-660.
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AEC Sc T-67-0912 CIA/FDD/U-7536

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Sci .. Physics, ultrasonics
CTS Nov 55

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The Probable Mechanism of the Night Sky Luminescence
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K. K. Chuvayev, 5 pp.

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Scientific - Astronomy CIA 2501262

See Memo 58/1319

Effect of Plastic Deformation on Subsequent Decomposition
of Aluminum Alloys, by N. N. Buynov, L. I. Podrezov, ^{4 pp.}

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No 4, 1953, pp 665-668.

NSF Tr 41

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Sci Trans Center RT-10

X-Ray Analysis of the Initial Stages of Aging of
Beryllium Bronze, by A. M. Yelistratov, S. D. Finkel-
shteyn, T. Yu. Gol'dshteyn, 5 pp.

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NSF Tr 63

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On the Resolving Power of an Electron Objective of
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3 pp.

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NSF Tr 57

Scientific - Physics

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also see memo to file 05/10/50

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(FDD 19268)

The Synthesis of Ethyl Alcohol, Tagged With the
Isotope of Carbon C^{14} , by T. I. Andrianova, Ye. A.
Andreyev, O. M. Sokolova, 4 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XXCVIII,
No 4, Moscow, 1953, pp 677, 678. 8

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Sci - Chemistry, isotopes

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Gelman, N.E. and Korshun, M. O.
NOUVELLE METHODE DE MICRODOSAGE SIMUL-
TANÉ DU FLUOR, DE L'HYDROGENE ET DU CAR-
BONE DANS LES COMPOSÉS ORGANIQUES (A New
Method for the Simultaneous Micro-Determination
of Fluorine Hydrogen and Carbon in Organic Com-
pounds). 5p. 4refs. CNRS-VIII bis 177.
Order from OTS, ETC or CNRS \$1.10 TT-62-26651

Trans. in French of Akademiya Nauk SSSR. Doklady,
1953, v. 8, no. 4, p. 685-687.
Another trans. is available in English from ATS as
RJ-138.

DESCRIPTORS: Organic compounds, *Microanaly-
sis, *Hydrogen, *Carbon, *Fluorine, Magnesium
compounds, Oxides, Absorption.

(Chemistry--Analytical, TT, v. 11, no. 11)

TT-62-26651

- I. Gel'man, N. E.
- II. Korshun, M. O.
- III. CNRS-VIII bis 177
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Recherche Scientifique,
Paris
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Office of Technical Services
European Translations Centre

V
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L. K. Gavrilov, B. M. Lepinskikh,

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Chlorophyll in Etiolated Corn Leaves by Infiltration
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SLA R-1286

May 58

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Diffraction of X-Rays in ~~Quartz~~ Crystals. Kinematic
Theory For the Case of Reflection, by I. B. Borovskiy,
F. A. Bezirganyan, 3 p.

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No 4, 1953, pp 769-772.

NSF Tr 45x 56

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Equations of Motion and Field Equations in the Five-
Dimensional Unitary Theory of Relativity, by
B. S. Ingarden, 5 pp.

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HSP Tr 26

Also see Science Citation PT-20
Scientific - Physics

Sep 53 GTS

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A Study of Electron Emission During the Stripping
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Vacuum, by V. V. Karasev, N. A. Kh Krotova, B. V.
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Analysis of Excited Nuclear Levels by Means of a Shell
Model, by L. K. Peker, L. A. Sliv, A. V. Zolotarev

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No 5, 1953, pp 781-784.

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Domain Structure of Lead Titanate, by Ye. G. Fesenko,
1p.

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No 5, 1953, pp 785-786.

NSF Tr 64

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5225

A Study of Isochromatic Lines in Transparent
Models Under Finite Plastic Deformation, by
S. I. Gubkin, S. I. Dobrovolsky *5pp*

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X-Ray Analysis of the Aging of Aluminum-Zinc Alloys,
by A. M. Yelistratov, 5 pp.

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No 5, 1953, pp 803-806.

NSF Tr 65

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Topchiev, A.V., Paushkin, Ya.M., and Kurashev, M.V.
ALKYLATION OF BENZENE WITH PROPYLENE IN
THE PRESENCE OF POLYISOPROPYL BENZENE AND
ALUMINIUM CHLORIDE. 8 p. 5 refs. MTWL: 630.
Order from OTS or ETC \$1.55 61-17232

Trans. of Akademiya Nauk SSSR. Doklady, 1953,
v. 88, no. 5, p. 849-852.

DESCRIPTORS: *Benzenes, *Propenes, Cermenenes,
Chemical equilibrium.

61-17232

- I. Topchiev, A.V.
- II. Paushkin, Ya.M.
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RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXXVIII,
No 5, 1953, pp 859-862.

Sci Mus Lib No 54/1451

SLA 59-10644

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Aug 54 CTS

Effect of Oxygen Absorbed at High Temperature Upon the
Electrochemical Behavior of Platinum, by T. V. Kalish,
R. Kh. Burshteyn, 7 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem Sec,
Vol LXXXVIII, No 5, 1953, pp 863-866.
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Sci - Phys
Aug 65

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TT-64-20179

On the Reaction Between Aluminium and Water, by
L. Lapin,

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Co-op Tr Sch No 97
Ll. 12s. (4s. Od)

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Titanium Sulfide in Electrocorundum, by N. E.
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SLA R-770

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Oct 57

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Dark Fixation and Liberation of Carbon Dioxide
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SLA Tr R-1287

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On the Hyperfine Structure of the Green Line of
Mercury, by F. A. Korolev, 2 pp.

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The Path of the Deformation Process as a Basic
Characteristic of the Deformed State of a Plastic
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No 6, 1953, pp 967-970.

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Relation of Abrasive Wear to the Grinding Area, by
G. D. Polosatkin, 3 pp.

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NSF Tr 42

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Thermal Chlorination of Normal Hexane,
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Vol LXXXVIII, No 6, 1953, pp 983-986.
SLA TT 64-20416

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May 67 32A5,057

Koton, M. M.
POLYMERIZATION OF VINYL COMPOUNDS BY
MEANS OF METALORGANIC COMPOUNDS. I. POLY-
MERIZATION OF VINYLACETATE (Polimerizatsiya
Vinil'nykh Soedinenii Posredstvom Metalloorganiche-
skikh Soedinenii. I. Polimerizatsiya Vinilatsetata).
[1961] 6p. (foreign text included) 7p.
Order from OTS or SLA \$1.10

Trans. of [Akademiya Nauk SSSR. Doklady] 1953,
v. 88, no. 6, p. 991-993.

DESCRIPTORS: *Metalorganic compounds, *vinyl
radicals, *Acetates, Polymerization.

(Chemistry--Organic, TT. v. 7, no. 9)

62-10568

I. Koton, M. M.
II. Title: Polymerization . . .

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Pel'ka, P. S.
THE TAUTOMERISM OF 1,5-DIPHENYLTHIOCAR-
BAZONE (DITHIZONE). 12 July 62 [8] p. 16 refs.
Order from OTS or SLA \$1.10 62-10970

Trans. of Akad[emiya] Nauk SSSR, Doklady, 1962,
v. 88 [no. 6] p. 999-1002.

DESCRIPTORS: Reagents, *Dithizone, Ketones, Thiols,
*Molecular isomerism, Spectrographic analysis, Ab-
sorption spectra

(Chemistry--Organic, TT, v. 9, no. 11)

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Complex Thermal Analysis of Silicates, by E. K. Keler,
A. K. Kuznetsov, 5 pp.

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No 6, 1953, pp 1031-1034.

Sci Mus Lib No 54/1172

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Experimental Investigation and Design of
"Wave-Canal" Antennas, by D. M. Vysokovskiy, 4pp.

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No 1, 1 Mar 1953, pp 41-44.

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Dynamical Model of the General Theory of
Electric Machines, by A. V. Gaponov, 5 pp.

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Vol LXXXIX, No 1, 1 Mar 1953, pp 45-48.

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The Dependence of the Diffusion Coefficient on Atomic Interaction in Metals and Alloys, by I. Ye. Dokhtyar, 5 pp.

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NSF Tr 25

also see Science Citation RT 12

Scientific - Nuclear Physics

Sep 53 GTS

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An Estimate of Displacements and Deformations of
Underground Gas Conduits Due to Temperature, by
K. S. Zarembo, 4 pp.

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1953, pp 53-56.

NSF Tr 18

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Scientific - Physics

Sep 53 CTS

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On Some Identically Distributed Statistics, by
Y. V. Linnik, 5 pp.

RUSSIAN, thrice-mo per, ~~Dok Ak Nauk SSSR~~, Vol LXXXIX,
No 1, 1953, p 9. CIA 9003417

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TT-64-71573

Nucleon Isobars as Intermediate States in Beta-Decay,
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On a New Mechanism of Plasticity of Metallic Solid
Solutions, by K. A. Osipov, S. G. Fedotov, M. G.
Loshinskiy, 5 pp.

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No 1, 1 Mar 1953, pp 57-60.

NSF Tr 19

Scientific - Physics

Sep 53 CTS

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On the Theory of Decomposition of Supersaturated
Solutions, by I. V. Sall1, 4 pp.

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No 1, Mar 1953, pp 61-64.

NSF Tr 24

Scientific - Chemistry

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Sep 53 cts

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Wood Anatomy and Wood Technology, by V. Vikhrov,
V. Moskaleva, 28 pp.

RUSSIAN, per, Doklady Akad Nauk SSSR, Vol ~~LXXXIX~~ ^{LXXXIX}, 1953,
pp 70-88.

SLA Tr R-830

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Sci - Biology
Feb 58

Plate, A. F. and Tarasova, L. V.
ISOMERIZATION OF CYCLOHEXANE TO METHYL-
CYCLOPENTANE IN THE PRESENCE OF ALUMINUM
CHLORIDE UNDER HYDROGEN PRESSURE. [1962] 5p.
Order from ATS \$7.25 ATS-24P66R

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1953,
v. 89, no. 1, p. 77-80.

DESCRIPTORS: *Cyclopentanes, *Pentanes, *Methyl
radicals, *Cyclohexanes, *Hexanes, *Aluminum com-
pounds, *Chlorides, Hydrogen, Pressure, Isomerization

(Chemistry--Physical, TT, v. 9, no. 11)

63-12606

- I. Plate, A. F.
- II. Tarasova, L. V.
- III. ATS-24P66R
- IV. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

Phase Diagram of the Ternary System $\text{BaO-Al}_2\text{O}_3\text{-SiO}_2$,
by N. A. Toropov.

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Vol LXXXIX, No 1, 1953, pp 89-92,

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Capillary Condensation of Vapours and Structure
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C. M. Dzigit, A. V. Kiselev,

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The Change in Composition of Binary Mixtures of
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Investigation of Gaseous Discharge During Stripping
of High Polymer Film From Solid Backing, by V. V.
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1953, pp 109-112.

SLA 60-10058

Sci

OTS, Vol III, No 7

Nov 60

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Kukhareenko, T. A.
ENIGE OPTISCHE EIGENSCHAPPEN VAN HUMINEZU-
REN UIT MINERALE KOLEN (Some optical properties
of humic acids from coal). 8p. 8 refs. MTWL: 692.
(Text in Dutch).

Order from OTS or ETC \$1.55 61-17335

Trans. of Akademiy Nauk SSSR: Doklady 1953,
v. 89, p. 133-136.

DESCRIPTORS: *Coal, Acids, Optics.

61-17335

- I. Kukhareenko, T. A.
- II. MTWL-692
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Toegankelijke Wetenschap-
pelijke Literatuur

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On the Problem of the Behavior of Mullite at Its
Melting Point, by N. E. Filonenko, I. V. Lavrov.

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Collected in the Library for the (25100)

Scientific - Chemistry

Price \$1.90

Nov 53 CTS

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Some Optical Properties of Humic Acids of Mineral
Waters, by T. A. Kukharevko.

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National Physical Lab of India
Hillside Road, New Delhi-110 012
India

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Lab - Chemistry
1956 CTS/dex

The Critical Content of Oxygen in Water for Fish
at Various Temperatures According to Seasons, by
T. I. Privol'nev, N. V. Koroleva, 3 pp.

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Scientific - Biology

Feb 54 CTS

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From the Central Committee of the Communist Party
of the Soviet Union, Soviet Ministers of the Union
SSR and the President of the Highest Council SSSR,

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXXIX
1953, pp 197-200.

SIA R-1288

May 58

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Khovanskiĭ, A. N.
ON THE DERIVATION OF THE FUNDAMENTAL
EQUATIONS OF FILTRATION OF AN ELASTIC LI-
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DESCRIPTORS: *Equations, Theory, *Porous filters,
*Liquids, Elasticity.

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- I. Khovanskiĭ, A.N.
- II. MTWL-731
- III. Stichting Moeilijk
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*Dept of Int. Affairs of USSR
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